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[PDF] ► **'The Eye of the Beholder'-Designing for Colour-Blind Users**

C Rigden - British Telecommunications Engineering, 1999 - ackadia.com

... Christine Rigden 'The Eye of the Beholder'— Designing for Colour-Blind Users Page

2. British Telecommunications Engineering, Vol. 17, Jan. 1999 3 ...

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C Rigden - Designing for color-blind users. British Telecommunications ..., 1999

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**Accommodating color blind computer users**

L Jefferson, R Harvey - Proceedings of the 8th international ACM SIGACCESS ..., 2006 - portal.acm.org

... A person with one normal eye and one dichromatic eye. ... problems related to poor color selection ... variety of audiences, including those who are designing web sites ...

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[PDF] ► **AudioMath: Blind children learning mathematics through audio**

J Sánchez, H Flores - International Journal on Disability and Human Development, 2005 - aaue.dk

... C Rigden (1999), **The eye of the beholder-designing for colour blind**. British

Telecommunications Engineering, Vol. 17, January. ...

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**Color adaptation for anomalous trichromats**

YM Ro, S Yang - International Journal of Imaging Systems and Technology, 2004 - interscience.wiley.com

... al., 1997; Walraven and Alferdinck, 1997; Rigden, 1999; Vienot ... well as the LMS cones' sensitivity in the eye. ... accessibility even with the same color contents ...

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[CITATION] **The eye of the beholder"-Designing for colour-blind users**

C Rigden - British Telecommunications Engineering Journal, 1999

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**Visual contents adaptation for color vision deficiency-** ► [berkeley.edu](http://berkeley.edu) [PDF]

S Yang, YM Ro - Image Processing, 2003. ICIP 2003. Proceedings. 2003 . ., 2003 - iseeexplor.ieee.org

... (or cones) contained in the retina of the eye. ... quantitatively verified by measuring the color difference for ... according to the characteristics of user who has ...

Cited by 6 - Related articles - Web Search - All 5 versions

**Accessible advertising for visually-disabled persons: the case of color-deficient consumers**

C Kaufman-Scarborough - Journal of Consumer Marketing, 2001 - emeraldinsight.com

... Retrieved at: <http://www.hikarun.com/el>. Rigden, C. (2000), "The eye of the beholder" - designing for colour-blind users". ...

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**Receptor noise as a determinant of colour thresholds-** ► [susx.ac.uk](#) [PDF]

M Vorobyev - Proceedings of the Royal Society B: Biological Sciences, 1998 - journals.royalsociety.org

 ... targets subtending a large visual **angle**, sensitivity to ..., ability to predict the **threshold** spectral sensitivity ..., n spectral receptor types, **colour** is considered ...

Cited by 143 - Related articles - Web Search - BL Direct - All 10 versions

**"Tho'she kneel'd in that place where they grew..." The uses and origins of primate colour vision-** ► [biologists.org](#) [PDF]

JD Mollon - Journal of Experimental Biology, 1989 - jeb.biologists.org

 ... surfaces that lie at varying **angles** to the ... to become an orchardist after **colour blindness** had stymied his ... tritan confusion line in **colour space**, observers gave ...

Cited by 247 - Related articles - Web Search - All 3 versions

**[book] Color appearance models-** ► [microsoft.com](#) [TXT]

MD Fairchild - 2005 - books.google.com

 ... Context 35 36 37 2.3 Hierarchy of Scales 2.4 **Threshold Techniques** 2.5 ... of Viewing Conditions 321 19.8 Viewing-conditions-independent **Color Space** 323 19.9 Gamut ...

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**Color2Gray: salience-preserving color removal-** ► [brown.edu](#) [PDF]

AA Gooch, SC Olsen, J Tumblin, B Gooch - Proceedings of ACM SIGGRAPH 2005, 2005 - portal.acm.org

 ... made of dots in the source **color** image unless you are **colorblind**. ... The **angle**  $\theta$  divides the chrominance plane and determines whether a chromatic ... **C 2 Color Space** ...

Cited by 53 - Related articles - Web Search - BL Direct - All 14 versions

**Segmenting images using normalized color**

G Healey - IEEE Transactions on Systems, Man and Cybernetics, 1992 - ieeexplore.ieee.org

 ... one of the histograms is used to **threshold** the region ... 2. Let  $I_{91}$  denote the **angle** between  $LO$  ... First, he points out that the normalized **color** transformation has ...

Cited by 115 - Related articles - Web Search - All 4 versions

**Discrimination of coloured stimuli by honeybees: alternative use of achromatic and chromatic signals-** ► [fu-berlin.de](#) [PDF]

M Giurfa, M Vorobyev, R Brandt, B Posner, R Menzel - Journal of Comparative Physiology A: Neuroethology, Sensory, ..., 1997 - Springer

 ... cue guiding the bees' choice behaviour at near- **threshold visual angles**. ... It postulates that the green contrast channel and the **colour** contrast channel ...

Cited by 59 - Related articles - Web Search - BL Direct - All 4 versions

**Animal colour vision-behavioural tests and physiological concepts**

A Kelber, M Vorobyev, D Osorio - Biological Reviews, 2003 - Cambridge Univ Press

 ... 1 or 2 log units above absolute **threshold**: Powers & ... on the eye per unit area, **angle** in **space** ... For humans with **colour** vision, colours with different saturation ...

Cited by 101 - Related articles - Web Search - BL Direct - All 9 versions

**Quantitative color image analysis of agronomic images-** ► [scijournals.org](#) [PDF]

RP Ewing - Agronomy Journal, 1999 - Am Soc Agronom


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"Tho'she kneel'd in that place where they grew..." The uses and origins of primate colour vision- ► [biologists.org](#) [PDF]

JD Mollon - Journal of Experimental Biology, 1989 - [jeb.biologists.org](#)

... this primordial **colour-vision** system seems designed to **extract** the lowest ... is, they lay on the same tritan **confusion line** in **colour space**, observers gave a ...

Cited by 247 - Related articles - Web Search - All 3 versions

[BOOK] **Color** for philosophers: Unweaving the rainbow

CL Hardin - 1988 - [books.google.com](#)

... aims has been to try to **extract** some of ... Ziemer, whose skilled hand redrew the line drawings, Frank ... that the basic structure of opponent **color space** is founded ...

Cited by 446 - Related articles - Web Search - Library Search

[PDF] ► Clinical colour vision tests

SJ Dain - Clinical and Experimental Optometry, 2004 - [optometrists.asn.au](#)

... lower in the red region of **colour space** (Figure 2 ... from a variety of colours (to the **colour normals**) but ... the figure colours lie around a **confusion line** and all ...

Cited by 26 - Related articles - Web Search - BL Direct - All 4 versions

**Color vision**- ► [cam.ac.uk](#) [PDF]

JD Mollon - Annual Review of Psychology, 1982 - Annual Reviews

... The horizontal broken line shows the criterion elevation ... subset of these channels—the **color-opponent** channels—are concerned to **extract** informa- tion ...

Cited by 95 - Related articles - Web Search - All 5 versions

Spatial and temporal properties of chromatic processing: separation of colour from chromatic pattern ...

JJ Kulikowski - John Dalton's Colour Vision Legacy: Selected Proceedings of ..., 1997 - [books.google.com](#)

... that the visual system can **extract** veridical information ... backgrounds are of low **colour** temperatures ... some departures from the tritanopic **confusion line** (eg Mullen ...

Cited by 3 - Related articles - Web Search

The disunity of **color**- ► [cogprints.org](#) [TXT]

M Matthen - Philosophical Review, 1999 - [jstor.org](#)

... the more they threw botany into **confusion**. "3 Is it ... vision is the ability to **extract** from light ... **Color space** is [thus] specified completely objectively, so the ...

Cited by 36 - Related articles - Web Search - All 6 versions

The retina as a two-dimensional detector array in the context of **color** vision theories and signal ...

G Buchsbaum - Proceedings of the IEEE, 1981 - [ieeexplore.ieee.org](#)

... geometrical line elements are mathematically proven to be ... section the major streams in **color-vision** theory ... as a sensory processor, has to **extract** the relevant ...

Cited by 10 - Related articles - Web Search - All 3 versions

Are there nontrivial constraints on colour categorization?- ► [bbsonline.org](#)

BAC Saunders, J Van Brakel - Behavioral and Brain Sciences, 1997 - Cambridge Univ Press



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C Rigden - British Telecommunications Engineering, 1999 - ackadia.com

... **Figure 2—The CIE Yu\*v\* colour space, with confusion lines for ...** It is safest if they fall on either side of the **colour** division in the palette, so that ...

Cited by 29 - Related articles - View as HTML - Web Search - BL Direct - All 10 versions

**It's not really red, green, yellow, blue: An inquiry into perceptual color space**

K Jameson, RG D'Andrade - Color categories in thought and language, 1997 - books.google.com

... end of an axis that tends to **divide** the blue ... although they empirically found a tritanopic **confusion** line, and ... axis, as a direction in **color space** carry- ing ...

Cited by 59 - Related articles - Web Search

**Color appearance and the emergence and evolution of basic color lexicons**

P Kay, L Maffi - American Anthropologist, 1999 - interscience.wiley.com

... However, they should not **blind** us to the striking fact that there ... Initially, minimal application of partition dictates division of the **color space** into two ...

Cited by 120 - Related articles - Web Search - All 8 versions

**Color appearance: On seeing red-or yellow, or green, or blue**

I Abramov, J Gordon - Annual Review of Psychology, 1994 - Annual Reviews

... modu- lated along a tritanopic **confusion** line, which ... symmetrically in various directions in **color space** about a ... well with the axes that **divide** the spectrally ...

Cited by 106 - Related articles - Web Search - BL Direct - All 8 versions

**On the psychophysiological bases of universal color terms**

F Ratliff - Proceedings of the American Philosophical Society, 1976 - jstor.org

... The **color** categories are represented in a **color space** defined in terms of a rectangular array of a standard set of 320 **color** chips of forty equally spaced ...

Cited by 53 - Related articles - Web Search - All 3 versions

[PDF] ► **A fragile watermarking scheme for color image authentication**

MH Hassan, SAM Gilani - Transactions on engineering, computing and technology, 2006 - waset.org

... image still conveys some meanings, but creates **confusion** for the ... image; say M , from RGB to YST **color space** equation (1 ... 3. Select the T channel, **divide** it into 2 ...

Cited by 3 - Related articles - View as HTML - Web Search - All 3 versions

**"Tho'she kneel'd in that place where they grew..." The uses and origins of primate colour vision- ►biologists.org [pdf]**

JD Mollon - Journal of Experimental Biology, 1989 - jeb.biologists.org

... Subjectively, it is this primordial subsystem that **divides** our **colour** ... that is, they lay on the same tritan **confusion** line in **colour space**, observers gave ...

Cited by 247 - Related articles - Web Search - All 3 versions

**Peripheral cone contrast sensitivity in glaucoma**

J Fellus, TJTP Van den Berg, H Spekreljse - Vision Research, 1995 - Elsevier

... to assess possible differences in test directions in **colour space**; not to ... Therefore, the division in this study is meant only to serve ... Peripheral **color** contrast ...